

Amendments to the Claims

1-21 (cancelled)

22. (currently amended) Liner conversion apparatus movable through a duct and adapted to convert a flexible liner, including a tubular layer of air-permeable composite material having an inside and an outside and comprising thermoplastics material and reinforcing fibres, into a structural member within ~~a the~~ duct, ~~which comprises the apparatus comprising a~~ front portion adapted to be inserted ~~in~~ into the liner, a central portion having a first heating means on ~~one-side~~ the inside of the layer of composite material, and a rear portion having consolidation means positioned to force ~~for forcing~~ the layer of composite material, after heating thereof, towards the duct for consolidation and cooling under pressure to form the structural member, the first heating means producing hot gas under pressure, the central portion being so constructed and arranged to force the hot gas under pressure outwardly through the layer of composite material from ~~one-side~~ the inside thereof to heat the layer of composite material, and to provide an air gap on ~~an opposite-side~~ the outside of the layer of composite material while such heating takes place, and wherein a further heating means is provided, which is on said opposite side of the composite layer to that of the first heating means, the further heating means being movable with said first heating means and comprising a tubular member spaced inward from said duct and surrounding the first heating means and the composite layer to deflect hot gas passing through the layer of composite material back towards the composite layer and is adapted to ensure more uniform heating of ~~both the liner and~~ composite material.

23. (previously presented) Liner conversion apparatus according to claim 22, wherein the further heating means is a passive heating device.

24. (previously presented) Liner conversion apparatus according to claim 22, wherein the further heating means is an active heater, containing a heating element.

25-29 (cancelled)

30. (currently amended) Liner conversion apparatus according to claim 22, wherein means are provided for pre-heating front portions of the liner comprising means for directing hot gas from the air gap forwardly to ~~provide pre-heating of a front portion of the liner.~~

31. (currently amended) Liner conversion apparatus according to claim 22, wherein a source of compressed air is provided, together with means to deliver compressed air from the source to said apparatus, and said first heating means is operable to produce hot gas ~~the hot gas is produced~~ by heating compressed air from said source thereof.

32. (currently amended) Liner conversion apparatus according to claim 22, wherein a source of compressed air is provided, together with means to deliver compressed air from the source to said apparatus, and the consolidation means is actuated by compressed air from said source and is operative to force the heated layer of composite material into contact with the duct.

33. (currently amended) Liner conversion apparatus according to claim 22, wherein a source of compressed air is provided to deliver compressed air to said apparatus, the consolidation means is an inflatable

flexible bag positioned within said composite material, and the compressed air from said source is directed to inflate said ~~inflates a flexible bag means~~
which acts on the layer of composite material.

34. (currently amended) Liner conversion apparatus according to claim 33, wherein the flexible bag ~~means~~ is attached to the central portion.

35. (cancelled)

36. (previously presented) Liner conversion apparatus according to claim 33, wherein the flexible bag is of plastics.

37. (previously presented) Liner conversion apparatus according to claim 36, wherein the flexible bag is of PVC.

38. (currently amended) Liner conversion apparatus according to claim 33, wherein the flexible bag is of silicone based material.

39. (previously presented) Liner conversion apparatus according to claim 22, wherein the liner includes an outer thermoplastics layer between the duct and the layer of composite material.

40. (currently amended) Liner conversion apparatus according to claim 22, wherein the apparatus includes a winch cable attached to said front portion whereby the apparatus is moved along the duct by being winched from ~~its~~ said front portion.

41. (currently amended) Liner conversion apparatus according to claim 22, wherein compressed air and power ~~for the heating means are~~

~~supplied through~~ lines are attached to the apparatus for supplying the heating and consolidation means.

42. (currently amended) Liner conversion apparatus according to claim 41 ~~22~~, wherein a mobile unit generates the compressed air ~~supply~~ and the power to operate the apparatus.